



"transaction log" and replicate

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Coordinator log transaction execution protocol

JW Stamos, F Cristian - *Distributed and Parallel Databases*, 1993 - [springerlink.com](#)

... The last log record ever generated by a server for a transaction may be a commit log record, an end-**transaction log** record, a data manipulation log record such ...

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... method of studying user-system interaction by combining transaction log analysis and protocol ...

JR Griffiths, RJ Hartley, JP Willson - *Information Research*, 2002 - [informationr.net](#)

... System factors, which impede the collection of **transaction log** data, are divided by ... displays will impact on the researcher's ability to **replicate** searches, and ...

[Cited by 5](#) - [Cached](#) - [Web Search](#)

Gold Rush: Mobile Transaction Middleware with Java-Object Replication

MA Butrico, H Chang, A Cocchi, NH Cohen, DG Shea, ... - *COOTS*, 1997 - [usenix.org](#)

... Therefore, we **replicate** enterprise data from the database server on mobile client ... is created and the information is stored in the **transaction log** for future ...

[Cited by 11](#) - [Web Search](#) - [usenix.org](#) - [research.ibm.com](#) - [researchweb.watson.ibm.com](#) - [all 5 versions »](#)

Data Replication in a Distributed Heterogeneous Database Environment: An Open System Approach

Y Wang, J Chiao, S Inc - *Computers and Communications*, 1994. IEEE 13th Annual ..., 1994 - [ieeexplore.ieee.org](#)

... **replicate** sites. It supports continuous updates of **replicate** copies from the **transaction log** of the primary database. This idea ...

[Cited by 1](#) - [Web Search](#) - [ieeexplore.ieee.org](#)

Clusters and high availability

J Bottomley, SE Technology - *Presentation*, January, 2002 - [licensing.steeleye.com](#)

... unviably expensive for synchronous replication Must **replicate** asynchronously to avoid latency ... **Transaction Log** Keep an ordered local log of all data blocks ...

[Cited by 1](#) - [View as HTML](#) - [Web Search](#)

Software Strategies for On-Site Calibration Nicholas Mason Fluke Corporation

WA Everett - [fluke.com](#)

... MET/REMOTE replication is based on the **transaction log**, enabling it to **replicate** only changes to data, rather than all data, in each update. ...

[View as HTML](#) - [Web Search](#) - [fluke.co.uk](#)

Transaction Based Dynamic Partial Replication in Mobile Environments

M Tu, P Li, IL Yen - *Proceeding s in IPDPS*, 2004 - [ieeexplore.ieee.org](#)

... We propose a data placement algorithm to dynamically **replicate** data objects, based on ... Consider a time period T. P BC maintains a **transaction log** L BC and P MC ...

[Cited by 1](#) - [Web Search](#) - [doi.ieeecomputersociety.org](#) - [chinagrid.edu.cn](#) - [utdallas.edu](#) - [all 5 versions »](#)

Installation Planning Guide

R Toolkit - download.sybase.com

... changes to the primary data from the primary database to the replicate database ... transaction logs, you must generate a primary data source **transaction log** or its ...

[View as HTML](#) - [Web Search](#)

Implementing Orthogonal Persistence: A Simple Optimization Using Replicating Collection

S Nettles, J O'Toole - Object Orientation in Operating Systems, 1993., Proceedings ..., 1993 - ieeexplore.ieee.org

... This method enables our system to **replicate** objects but bring the replicas ... replicating garbage collection is extended to create **transaction log** entries when ...

[Web Search](#) - ieeexplore.ieee.org

Parallel Query Processing in Shared Disk Database Systems

E Rahm - SIGMOD Record, 1993 - portal.acm.org

... joins (non-equi joins) between two relations is to dynamically **replicate** the smaller ... now be performed at multiple nodes so that a **transaction's log** data are ...

[Cited by 15](#) - [Web Search](#) - dbs.uni-leipzig.de - sigmod.org - all 9 versions » - [Library Search](#)

Portable Faultloads Based on Operator Faults for DBMS Dependability Benchmarking

M Vieira, H Madeira - Proceedings of the 28th Annual International Computer ..., 2004 - ieeexplore.ieee.org

... Incorrectly **replicate** tables Incorrectly **replicate** tables Incorrectly **replicate** tables ... Inexistence of archive logs Inexistence of **transaction log** dumps Delete ...

[Web Search](#) - doi.ieeecomputersociety.org - rachel.utdallas.edu - portal.acm.org - all 6 versions »

Configuring and Tuning Archival Storage Systems

R Moore, J Lopez, C Lofton, W Schroeder, G ... - DIG PAP IEEE SYMP MASS STORAGE SYST. pp. 158-168. 1999, 1999 - ieeexplore.ieee.org

... To ensure that user information about files stored within the archive is never lost, multiple mechanisms are used to **replicate** and back up file meta-data. ...

[Cited by 5](#) - [Web Search](#) - storageconference.org - sdsc.edu - csa.com - all 5 versions »

[PS] Implementing Distributed Data Structures Using a Shared-Disk Parallel Database

Approach (Qualifying ...)

N Treuhaft - cs.berkeley.edu

... To prevent this problem, I will maintain a single, private **transaction log** per node [15 ... to limit these random accesses in a cluster is to **replicate** every modified ...

[View as HTML](#) - [Web Search](#)

Recovery management in QuickSilver

R Haskin, Y Malachi, G Chan - ACM Transactions on Computer Systems, 1988 - portal.acm.org

... Examples of systems that use replication are Locus [29], which replicates the file system; ISIS [5] and Eden [30], which **replicate** storage objects; and Circus ...

[Cited by 53](#) - [Web Search](#) - cc.gatech.edu - pdos.csail.mit.edu - www-db.stanford.edu - all 22 versions »

Costs, Culture, and Complexity: An Analysis of Technology Enhancements in a Large Lecture Course at ...

D Harley, J Henke, S Lawrence, F McMartin, M Maher ... - Center for Studies in Higher Education, University of ..., 2003 - cshe.berkeley.edu

... available to all students, and we were unable to **replicate** a similar ... Survey responses and **transaction log** analysis showed that the course website in general ...

[Cited by 4](#) - [View as HTML](#) - [Web Search](#) - ishi.lib.berkeley.edu - ideas.repec.org - repositories.cdlib.org - all 5 versions »

Heterogeneous Data Replication

P Haase - BTW Studierenden-Programm, 2001 - e-lib.informatik.uni-rostock.de

... 2 Some architectures allow to **replicate** uncommitted data, eg DB2 DataPropagator ... the Capture program captures changed data by reading the DB2 **transaction log**. ...

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Load Balancing of Autonomous Applications and Databases in a Cluster System

S Gancarski, H Naacke, P Valduriez - 4 thWorkshop on Distributed Data and Structure (WDAS), 2002 - www-poleia.lip6.fr

... are primarily used by the system administrator to place and **replicate** data in ... the absence of conflicts can be inferred from the **transaction log** or consistency ...

[Cited by 7](#) - [View as HTML](#) - [Web Search](#) - www-poleia.lip6.fr - ceria.dauphine.fr

ramie, I Sybase?

E DATA, MTO REPLICATION - portal.acm.org

... can act as a data server.) The LTM reads the SQL Server **transaction log** to look for ... Sv- base's answer is to **replicate** updates so that many data copies can be ...

[Web Search](#)

Survey Project: A study on distributed file-systems

S Sarkar, S Saha - cs.ucsd.edu

... Almost all distributed file-systems **replicate** and backup files to enhance reliability ...

Transaction Log and Parallelism in I/O: XFS is designed to run well on ...

[Web Search](#) - cse.ucsd.edu

Definition of Faultloads Based on Operator Faults for DBMS Recovery Benchmarking

M Vieira, H Madeira - Proceedings of the 2002 Pacific Rim International Symposium ... - ieeexplore.ieee.org

... files Manage the online redo log Manage **transaction Log** Manage logical ... storage parameters; Incorrectly **replicate** tables Manage performance optimization objects ...

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"transactional replication"

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The Dangers of Replication and a Solution

J Gray, P Helland, PE O'Neil, D Shasha - SIGMOD Conference, 1996 - stoev.org

... Abstract: Update anywhere-anytime-anyway **transactional replication** has unstable behavior as the workload scales up: a ten-fold increase in nodes and traffic ...

Cited by 445 - View as HTML - Web Search - research.microsoft.com - ida.his.se - www-db.in.tum.de - all 33 versions »

[ps] Scalable non-transactional replication in the Internet

R Govindan, H Yu, D Estrin - submitted for publication - isi.edu

Scalable Non-Transactional Replication in the Internet ... A key characteristic of these database is a tolerance for convergent, non-**transactional replication** ...

Cited by 3 - View as HTML - Web Search - netweb.usc.edu - lecs.cs.ucla.edu - ftp3.ru.freebsd.org - all 5 versions »

Data Replication in Mariposa

J Sidell, PM Aoki, A Sah, C Staelin, M Stonebraker ... - ICDE, 1996 - doi.ieeecs.org

Page 1. Data Replication in Mariposa Jeff Sidell, Paul M. Aoki, Adam Sah, Carl Staelin tMichael Stonebraker and Andrew Vu \$ Department ...

Cited by 42 - Web Search - doi.ieeecomputersociety.org - hedgehogs.softjoys.ru - db.cs.berkeley.edu - all 11 versions »

Epidemic quorums for managing replicated data

JA Holliday, R Steinke, D Agrawal, A El Abbadi - IEEE INT PERFORM COMPUT COMMUN CONF PROC. pp. 93-100. 2000, 2000 - ieeexplore.ieee.org

... the same message. 3 Epidemic **Transactional Replication** The Wu and Bernstein approach supports single operation semantics. That is ...

Cited by 24 - Web Search - cse.scu.edu - cs.ucsb.edu - portal.acm.org - all 7 versions »

[ps] The Bengal Database Replication System

T Ekenstam, C Matheny, P Reiher, GJ Popek - Distributed and Parallel Databases, 2001 - lasr.cs.ucla.edu

... were identified. **Transactional Replication** – The current system replicates individual records. ... **Transactional replication** could be accomplished by deter

Cited by 10 - View as HTML - Web Search - fmg-www.cs.ucla.edu - portal.acm.org - csa.com - all 5 versions »

Design of Object Caching in a CORBA OTM System

T Sandholm, S Tai, D Slama, E Walshe - CAiSE, 1999 - springerlink.com

... Third, we develop the software architectural connector "Object Caching with **Transactional Replication**" capturing interfaces and interoperation patterns of ...

Cited by 4 - Web Search - pdc.kth.se - portal.acm.org - portal.acm.org

Fault tolerance in three-tier applications: Focusing on the database tier

A Vaysburd - Symposium on Reliable Distributed Systems, 1999 - ieeexplore.ieee.org

... With **Transactional Replication**, committed changes made at the primary database are continuously or periodically sent to subscribing replicas, where they are ...

Cited by 4 - Web Search - doi.ieeecomputersociety.org - doi.ieeecs.org - portal.acm.org - all 6 versions »

[ps] A Transactional Asynchronous Replication Scheme for Mobile Database Systems

D Zhiming, M Xiaofeng, W Shan - Journal of Computer Science and Technology, 2002 - idke.ruc.edu.cn

... Page 3. No.4 **Transactional Replication** for Mobile Database 391 .., In the Page

5. No.4 Transactional Replication for Mobile Database 393

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Merge replication in Microsoft's SQL server 7.0

B Hammond - Proceedings of the 1999 ACM SIGMOD international conference ..., 1999 - portal.acm.org

... ABSTRACT SQL Server 7.0 offers three different styles of replication that we call

Transactional Replication, Snapshot Replication, and Merge Replication. ...

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Heterogeneous Data Replication

P Haase - BTW Studierenden-Programm, 2001 - e-lib.informatik.uni-rostock.de

... the data set. **Transactional replication**: monitors changes to the publishing server at the transaction level. Only committed transactions ...

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[PS] Replikation in verteilten Datenbanken

H Hornung - 2003 - informatik.tu-darmstadt.de

... dates zugelassen sind. Ein Vorteil ist jedoch die hohe Un- abhangigkeit der Replikate. "

Transactional Replication" entspricht weitgehend den Re ...

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Transactional replication for typed objects: preliminary results of project BURDS

AA Heddya, PS Ramamurthy, HS Sinha - 1991 - cs-ftp.bu.edu

Page 1. **Transactional Replication for Typed Objects: Preliminary Results of Project**

BURDS Abdelsalam Heddya y Prakash S. Ramamurthy z Himanshu Sinha ...

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[PS] Replication in the Widely Distributed Internet Routing Registry

R Govindan - isi.edu

... **Non-transactional replication** ... Even though **transactional replication** is desirable for the Internet routing registry, we chose non- **transactional replication**. ...

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DRAGON: Database Replication based on Group Communication

PG Alonso, B Kemme - inf.ethz.ch

... distributed systems point of view, it will show how, given some "broadcast primitives", it is possible to design **transactional replication** (existing membership ...

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The Dangers of Replication and a Solution

P Helland - portal.acm.org

... Abstract: Update anywhere-anytime-anyway **transactional replication** has unstable behavior as the workload scales up: a ten-fold increase in nodes and traffic ...

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The Dangers of Replication and a Solution

D Shasha, P O'Neil, J Gray, P Helland - research.microsoft.com

... Update anywhere-anytime-anyway **transactional replication** has unstable behavior as the workload scales up: a ten-fold increase in nodes and traffic gives a ...

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Merge Replication in Microsoft's SQL Server 7.0

C Detection, P Data - portal.acm.org

... SQL Server 7.0 offers three different styles of replication that we call **Transactional Replication**, Snapshot Replication, and Merge Replication. ...

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A security infrastructure for mobile transactional systems

U Cetintemel, P Keleher, S Bhattacharjee - 2000 - motefs.cs.umd.edu

... In this paper, we present an infrastructure for providing secure **transactional replication** support for peer-to-peer, decentralized databases. ...

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The Bengal Database Replication System

C MATHENY - Distributed and Parallel Databases, 2001 - kluweronline.com

Page 1. Distributed and Parallel Databases, 9, 187-210, 2001 c 2001 Kluwer

Academic Publishers. Manufactured in The Netherlands. ...

[Web Search](#) - [springerlink.com](#) - [ingentaconnect.com](#)

Efficient Monitoring and Querying of Distributed, Dynamic Data via Approximate Replication

C Olston, J Widom - www-2.cs.cmu.edu

... A number of replication strategies have been proposed based on abandoning strict **transactional replication** protocols that guarantee one-copy serializability ...

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